

*Fig. 1*

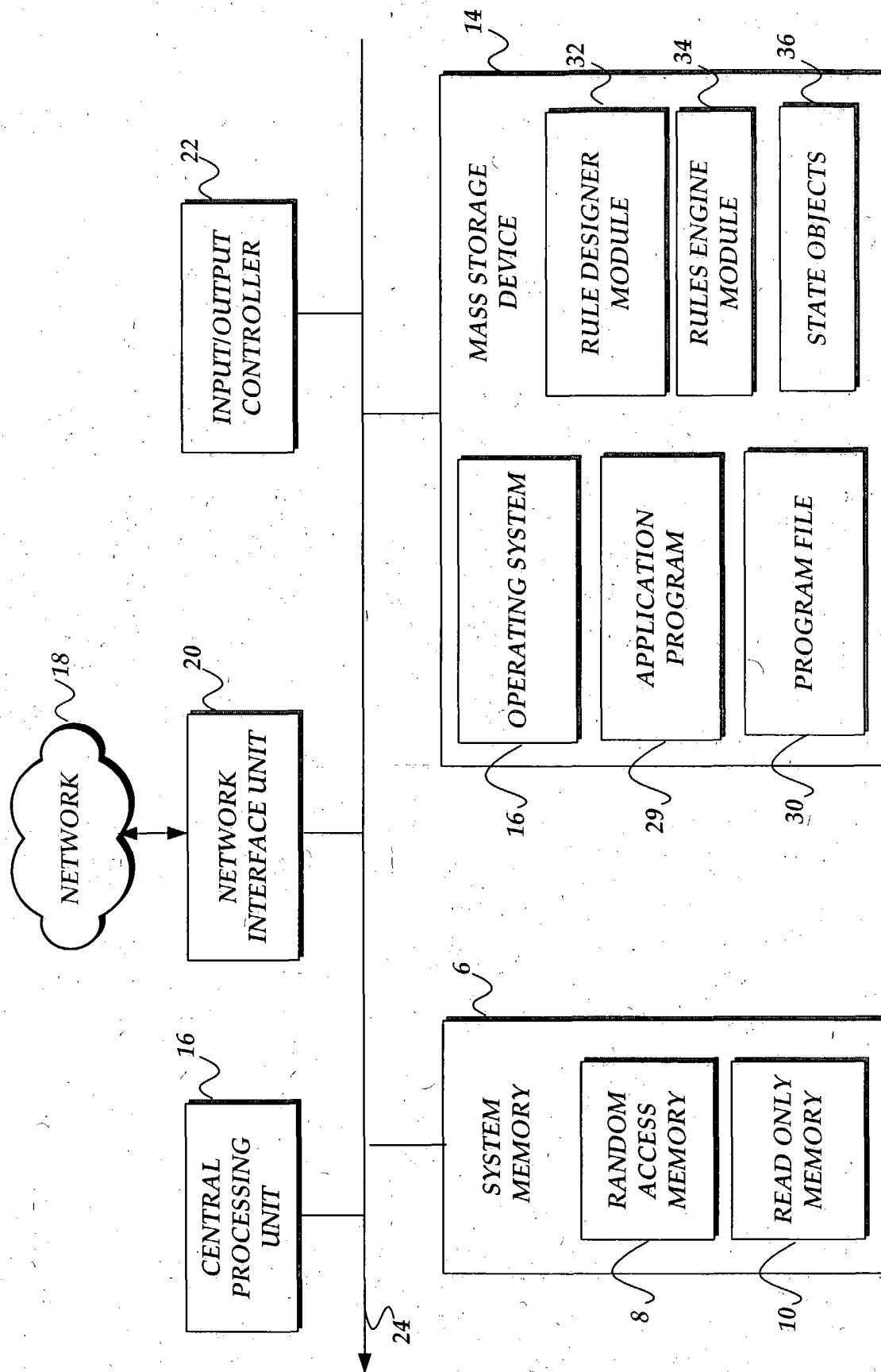


Fig. 2

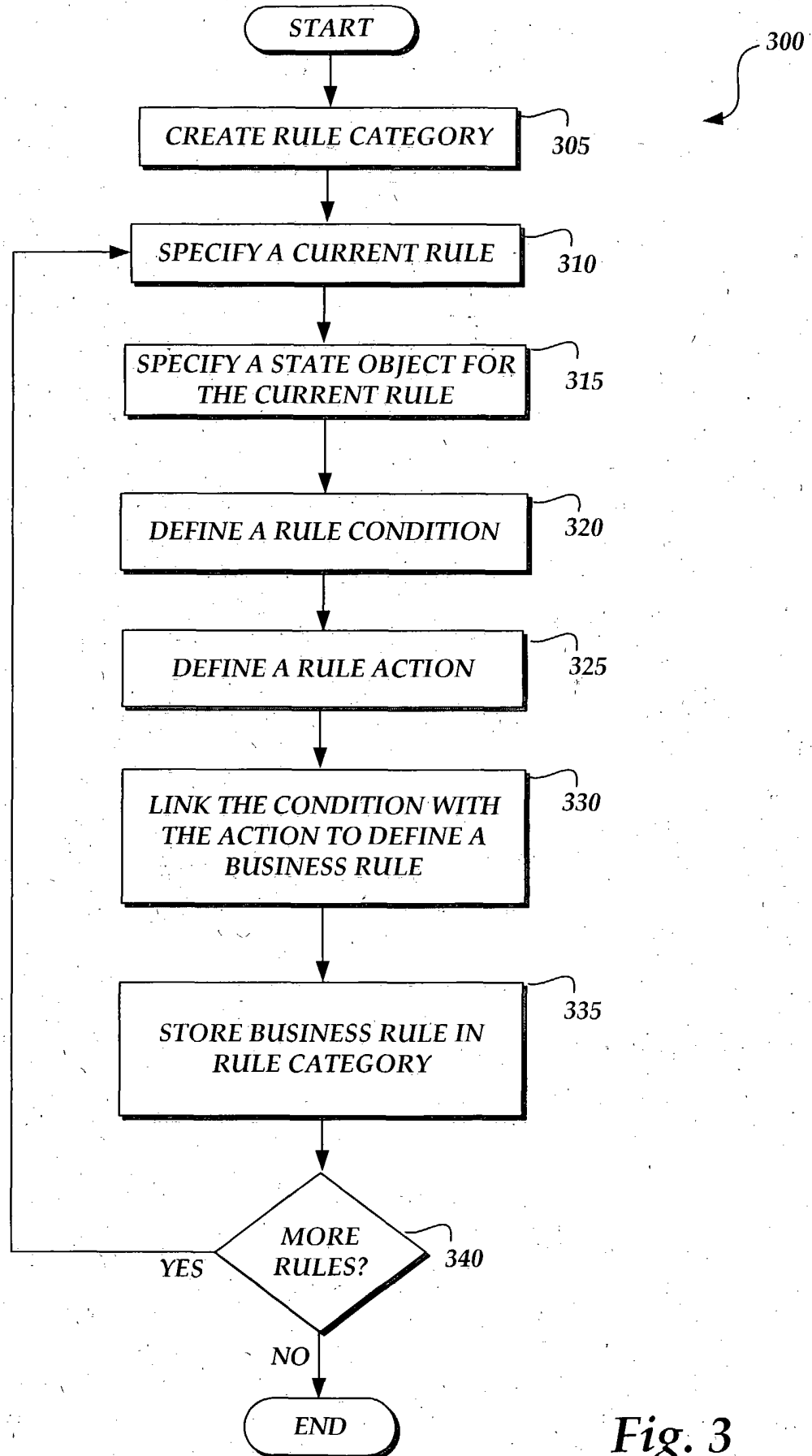
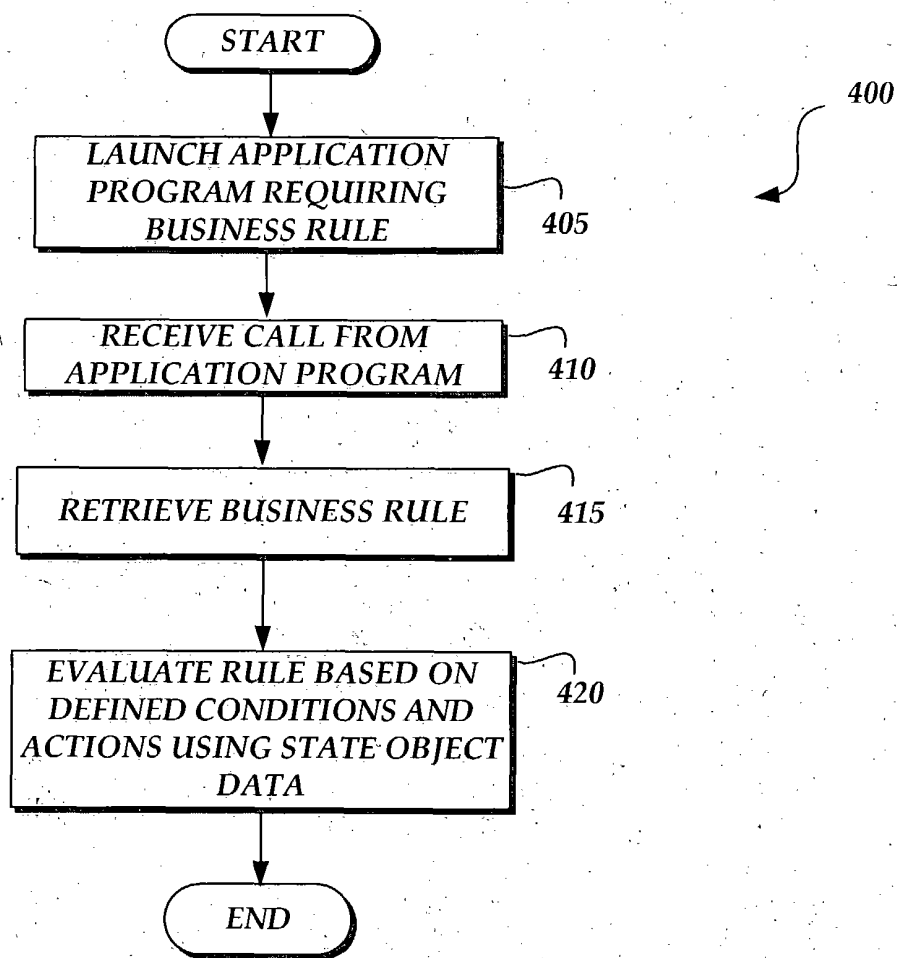


Fig. 3



*Fig. 4*

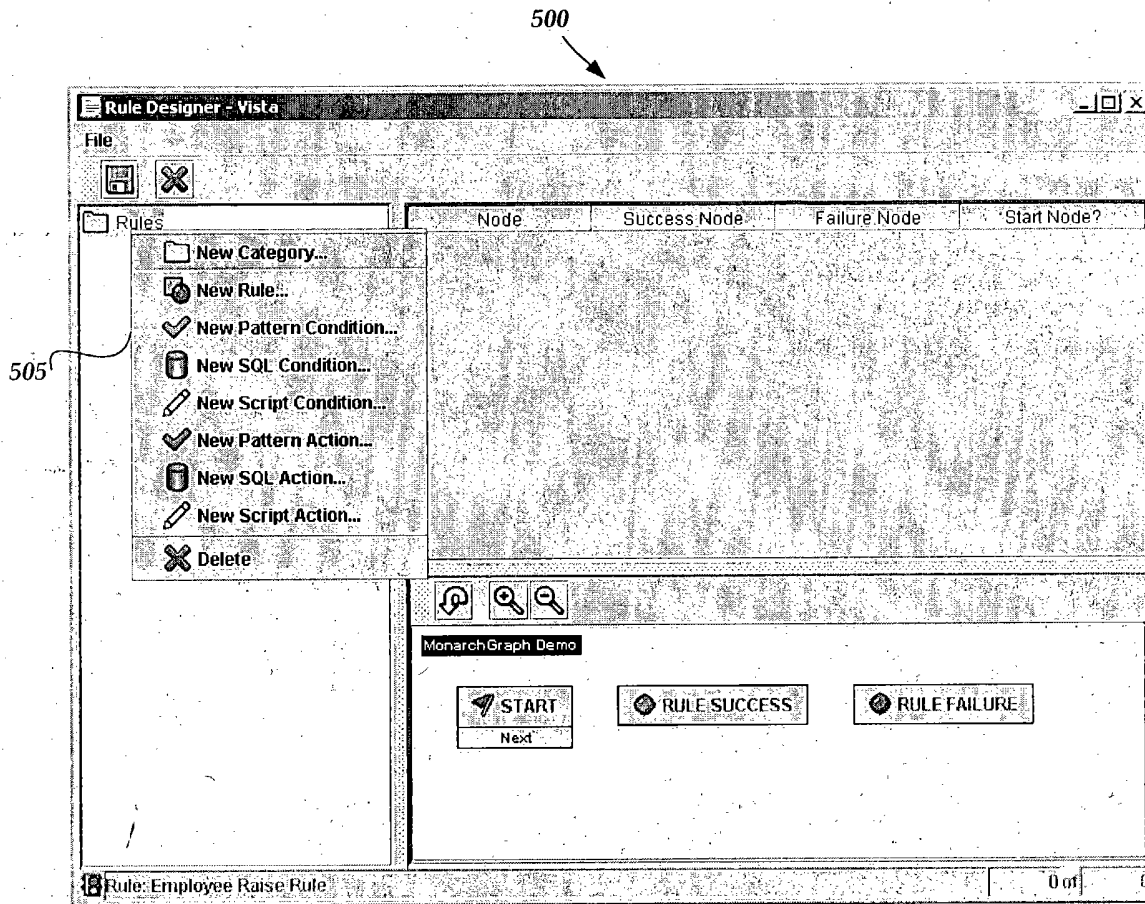


Fig. 5

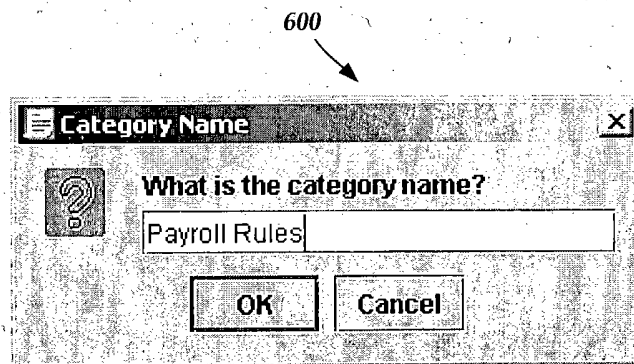
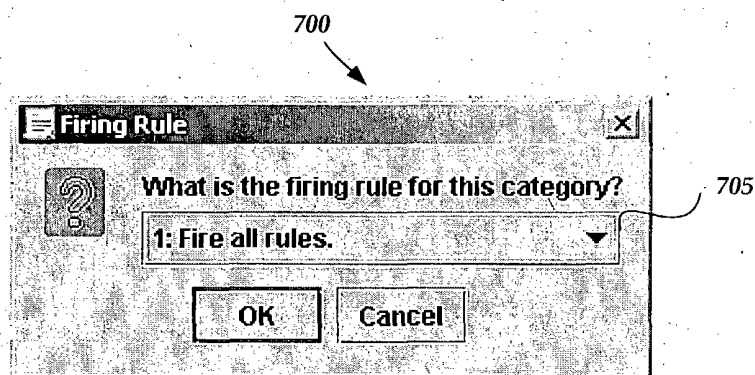
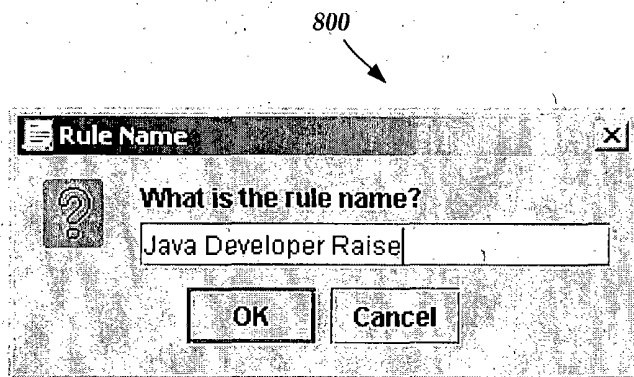


Fig. 6



*Fig. 7*



*Fig. 8*

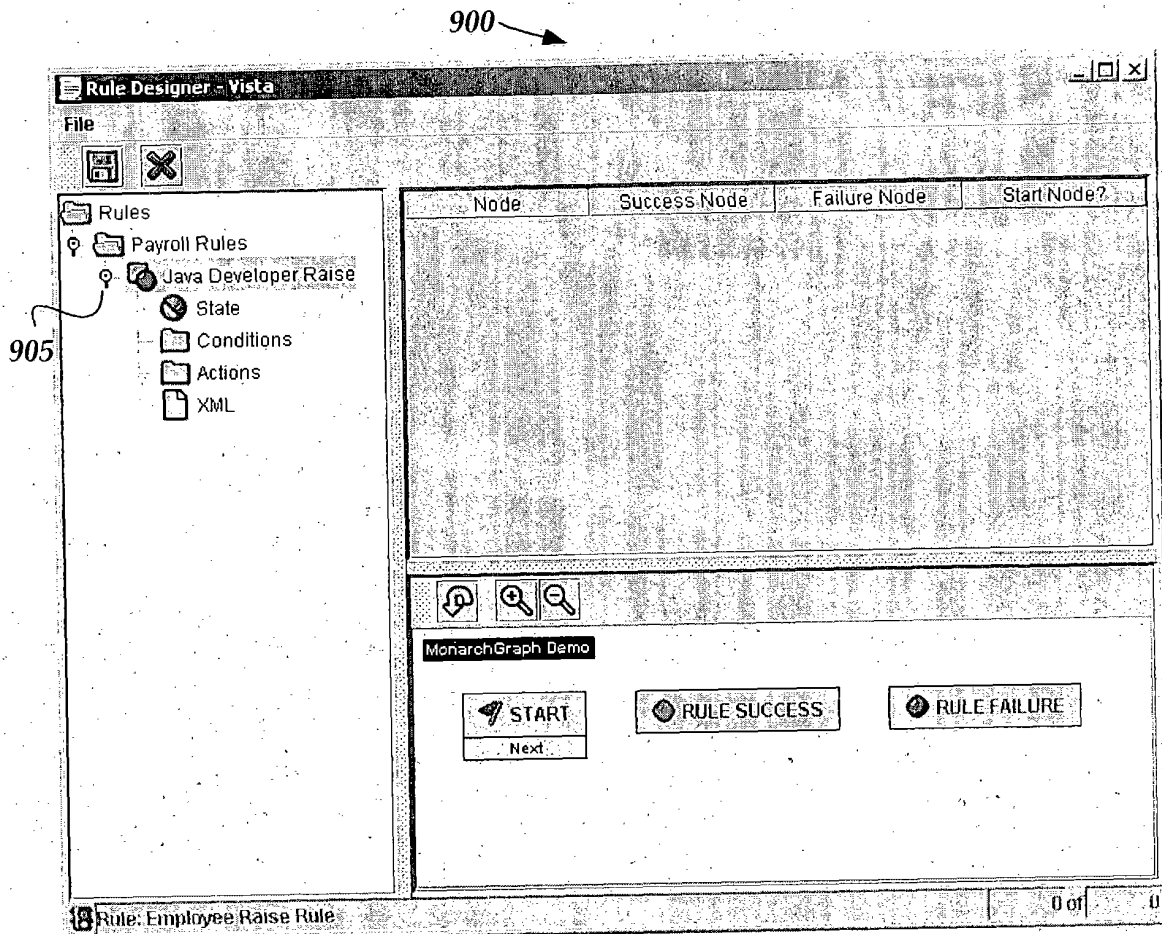


Fig. 9

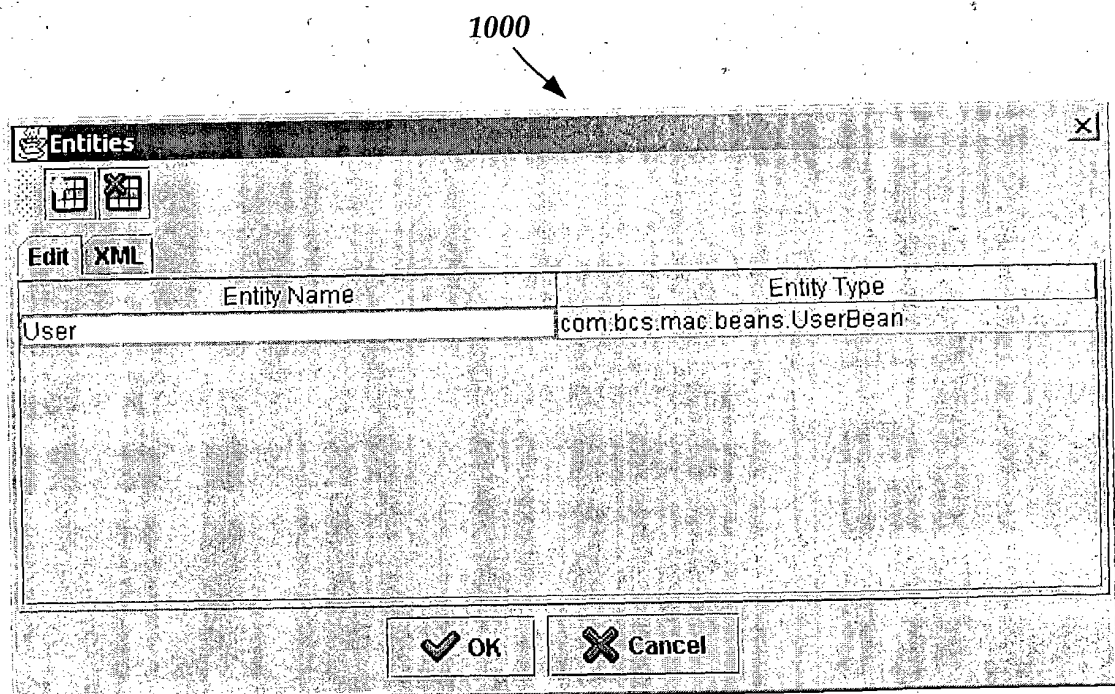
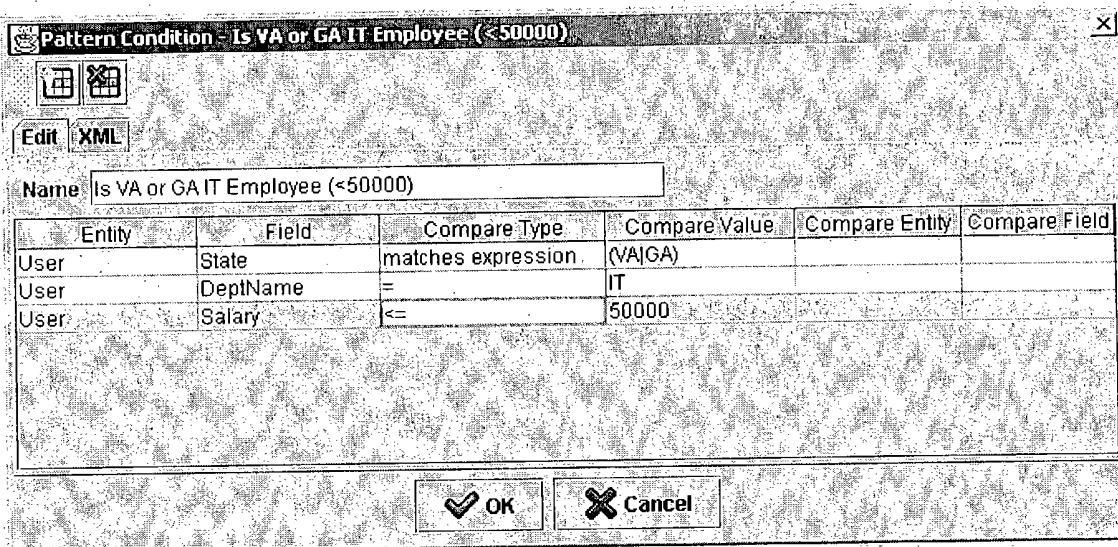


Fig. 10

1100



Pattern Condition - Is VA or GA IT Employee (<50000)

Edit XML

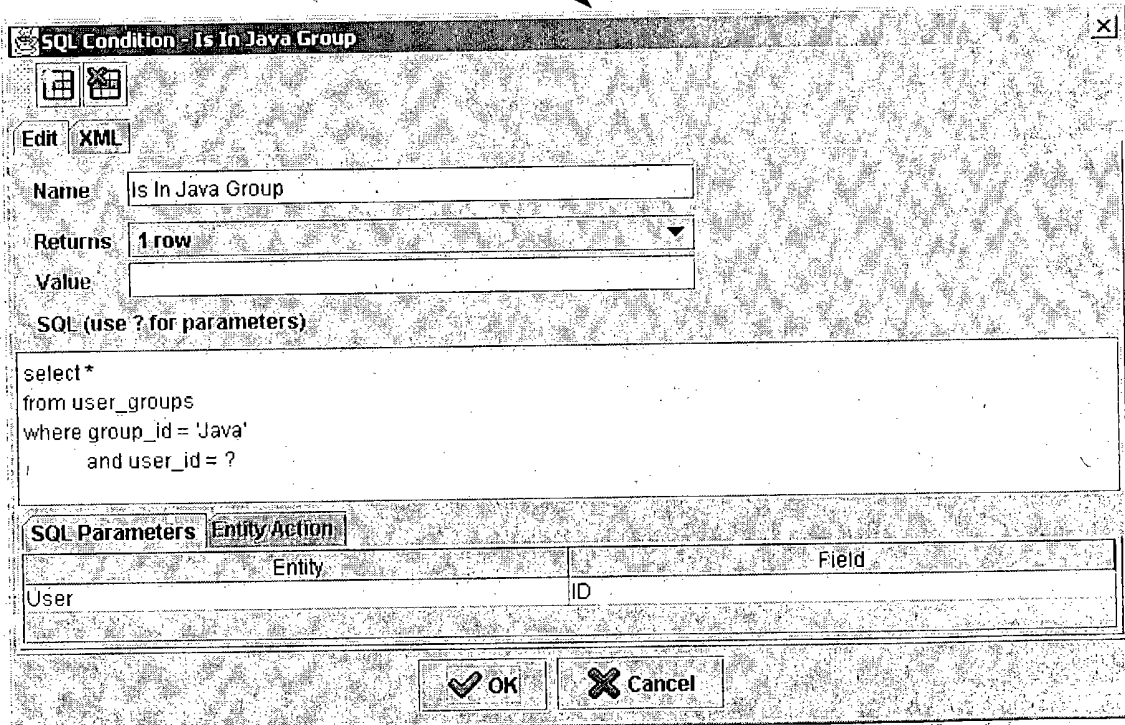
Name: Is VA or GA IT Employee (<50000)

| Entity | Field    | Compare Type       | Compare Value | Compare Entity | Compare Field |
|--------|----------|--------------------|---------------|----------------|---------------|
| User   | State    | matches expression | (VA GA)       |                |               |
| User   | DeptName | =                  | IT            |                |               |
| User   | Salary   | <=                 | 50000         |                |               |

OK Cancel

Fig. 11

1200



SQL Condition - Is In Java Group

Edit XML

Name: Is In Java Group

Returns: 1 row

Value:

SQL (use ? for parameters)

```
select *  
from user_groups  
where group_id = 'Java'  
and user_id = ?
```

SQL Parameters Entity Action

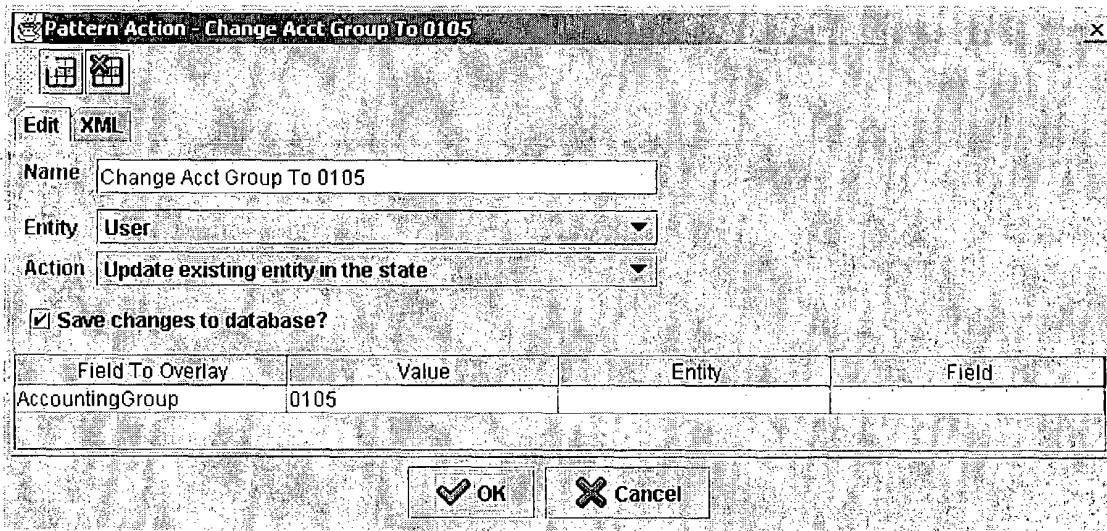
| Entity | Field |
|--------|-------|
| User   | ID    |

OK Cancel

Fig. 12



1300



A screenshot of a software dialog box titled "Pattern Action - Change Acct Group To 0105". The dialog has a close button (X) in the top right corner. Below the title bar are two icons: a grid and a document. There are two tabs: "Edit" (selected) and "XML". The "Edit" tab contains the following fields:

- Name:** "Change Acct Group To 0105"
- Entity:** "User" (selected from a dropdown)
- Action:** "Update existing entity in the state" (selected from a dropdown)
- ☒ **Save changes to database?**

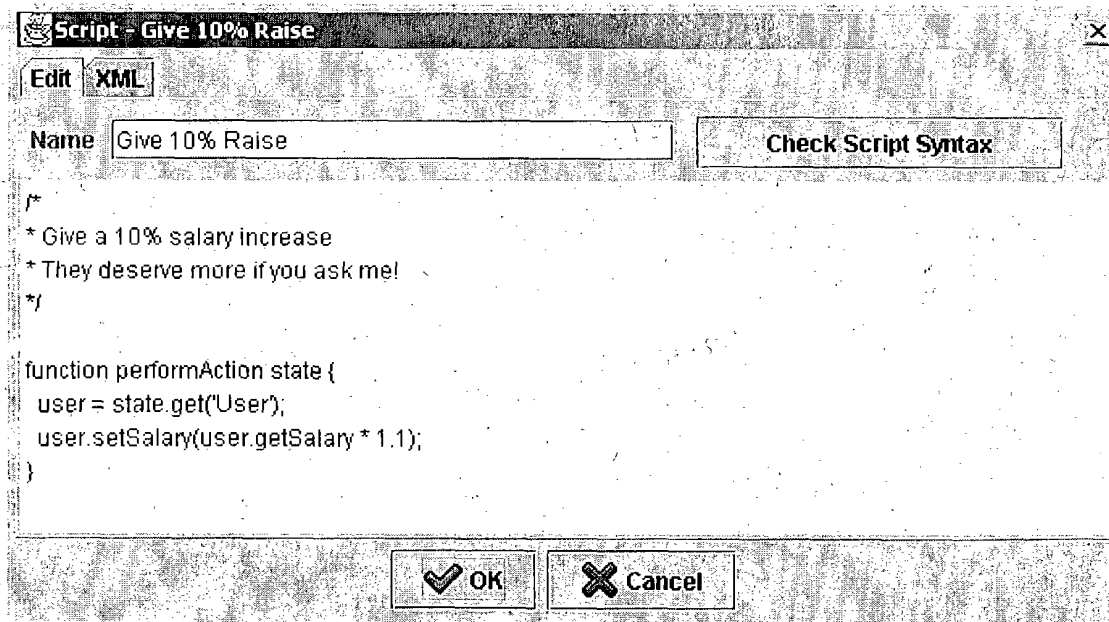
Below these fields is a table with four columns: "Field To Overlay", "Value", "Entity", and "Field".

| Field To Overlay | Value | Entity | Field |
|------------------|-------|--------|-------|
| AccountingGroup  | 0105  |        |       |

At the bottom of the dialog are two buttons: "OK" (with a checkmark icon) and "Cancel" (with an X icon).

Fig. 13

1400



A screenshot of a software dialog box titled "Script - Give 10% Raise". The dialog has a close button (X) in the top right corner. Below the title bar are two tabs: "Edit" (selected) and "XML". The "Edit" tab contains the following elements:

- Name:** "Give 10% Raise" (text field)
- Check Script Syntax:** (button)
- Script Content:**

```
/*  
* Give a 10% salary increase  
* They deserve more if you ask me!  
*/  
  
function performAction state {  
    user = state.get("User");  
    user.setSalary(user.getSalary * 1.1);  
}
```

At the bottom of the dialog are two buttons: "OK" (with a checkmark icon) and "Cancel" (with an X icon).

Fig. 14

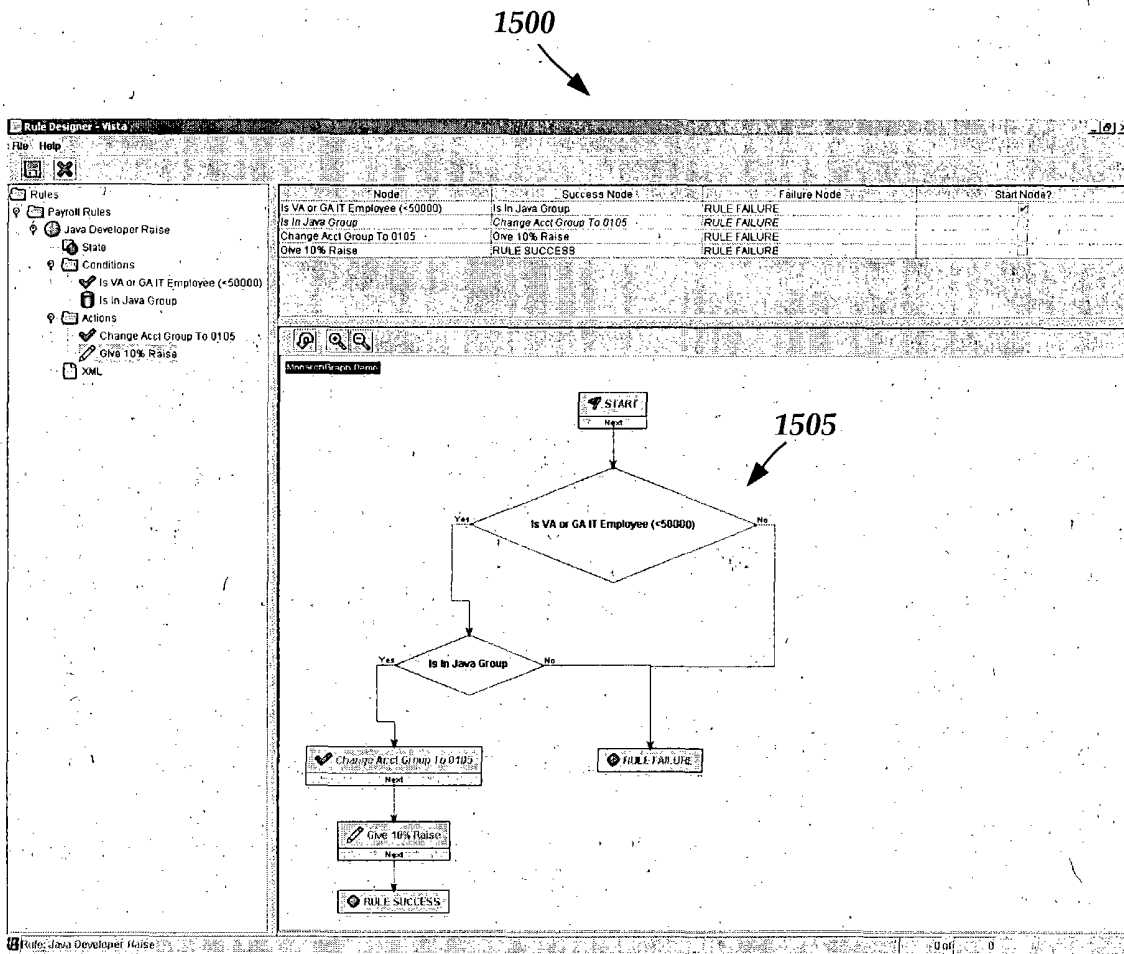


Fig. 15